

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101218\
 Data File : BF109843.D
 Acq On : 12 Oct 2018 19:34
 Operator : JU/SJ
 Sample : J5199-03 4X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-101118

Quant Time: Oct 12 22:21:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	92423	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	402177	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	172522	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	277023	20.00	ng	0.00
75) Chrysene-d12	13.83	240	209890	20.00	ng	0.00
86) Perylene-d12	15.23	264	183198	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	94289	18.11	ng	-0.01
7) Phenol-d6	6.34	99	158079	22.73	ng	-0.02
23) Nitrobenzene-d5	7.26	82	103420	14.18	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	30966	16.47	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	213331	17.03	ng	-0.01
78) Terphenyl-d14	12.77	244	144181	13.30	ng	-0.01

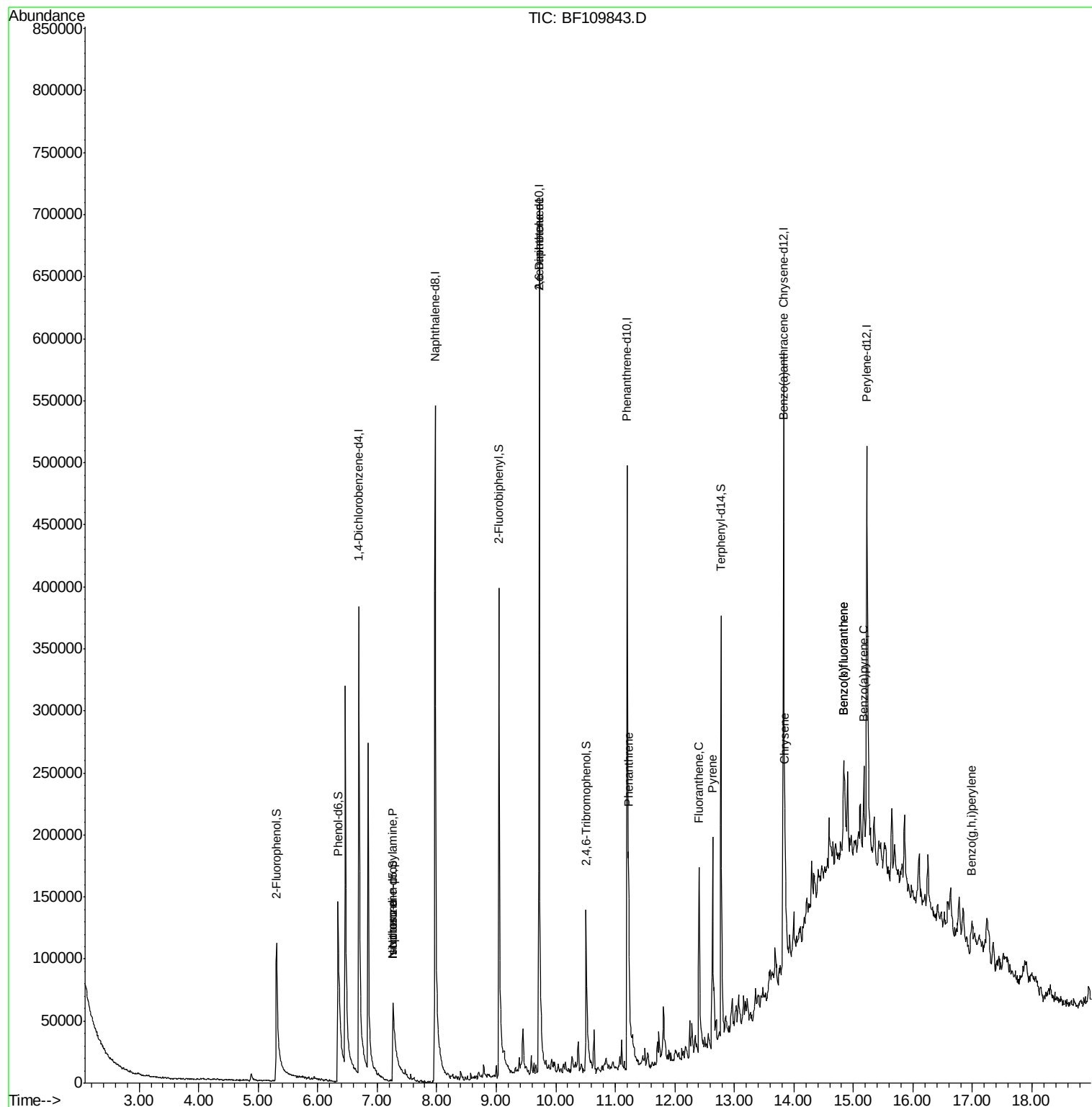
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	11490	2.356	ng	# 79
25) Isophorone	7.26	82	103420	8.536	ng	# 67
50) 2,6-Dinitrotoluene	9.72	165	21482	7.832	ng	# 22
70) Phenanthrene	11.22	178	54440	3.927	ng	99
74) Fluoranthene	12.40	202	94471	6.523	ng	98
77) Pyrene	12.63	202	95278	6.196	ng	98
80) Benzo(a)anthracene	13.82	228	44773	3.866	ng	# 93
82) Chrysene	13.85	228	39580	3.253	ng	96
87) Benzo(b)fluoranthene	14.84	252	64946	6.415	ng	# 88
88) Benzo(k)fluoranthene	14.84	252	64946	6.385	ng	# 87
89) Benzo(a)pyrene	15.17	252	36668	3.991	ng	# 92
91) Benzo(g,h,i)perylene	16.99	276	20010	2.656	ng	94

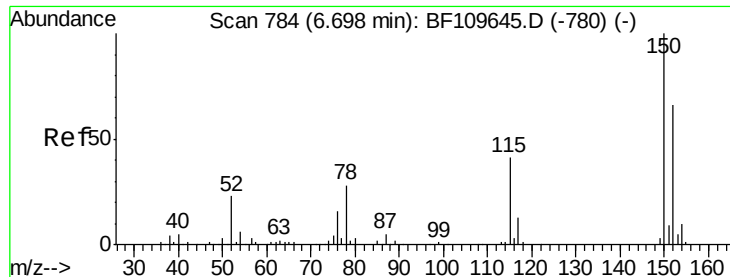
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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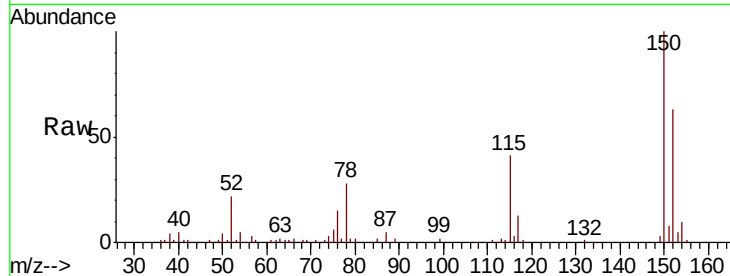


#1

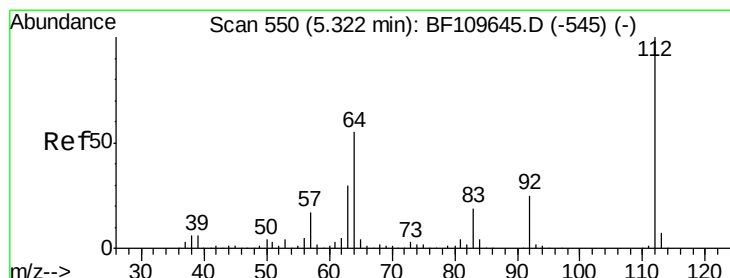
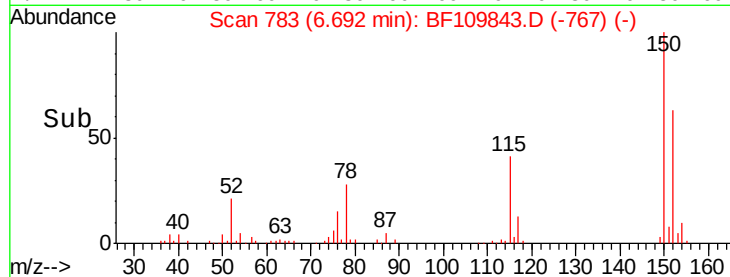
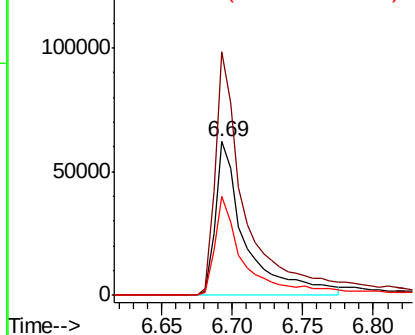
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Instrument :
BNA_F
ClientSampleId :
OK-02-101118

Tgt Ion:152 Resp: 92423
Ion Ratio Lower Upper
152 100
150 158.1 122.7 184.1
115 64.4 49.1 73.7



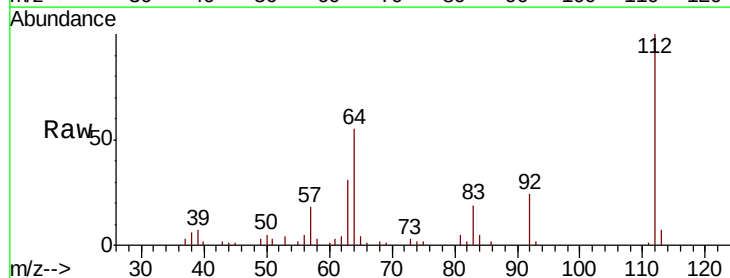
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



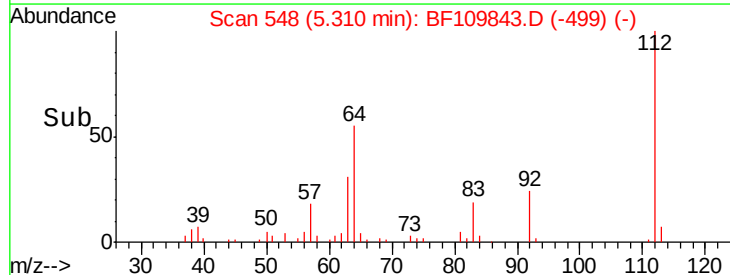
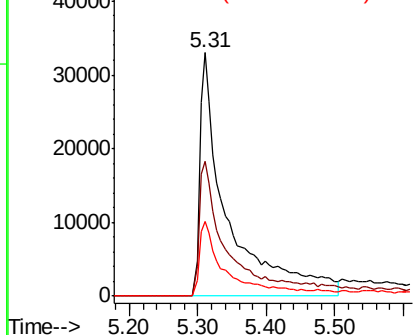
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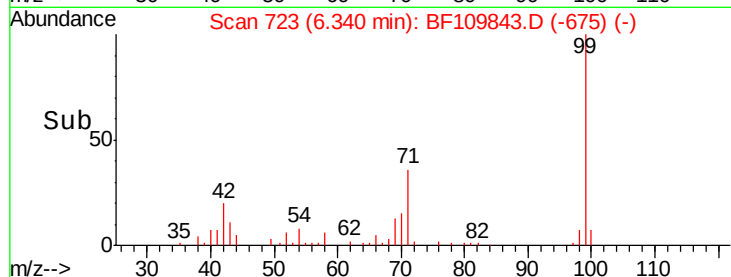
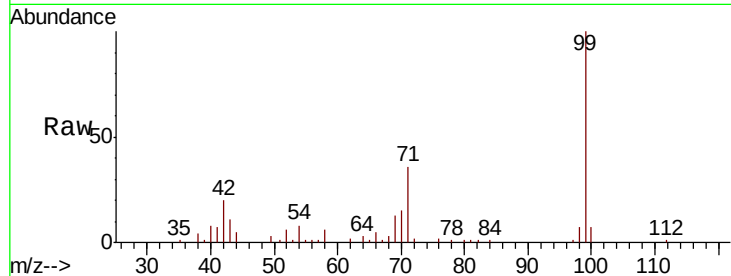
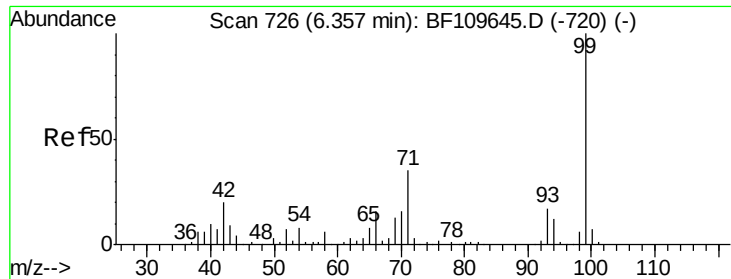
2-Fluorophenol
Concen: 18.109 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Tgt Ion:112 Resp: 94289
Ion Ratio Lower Upper
112 100
64 55.4 44.1 66.1
63 30.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 22.726 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

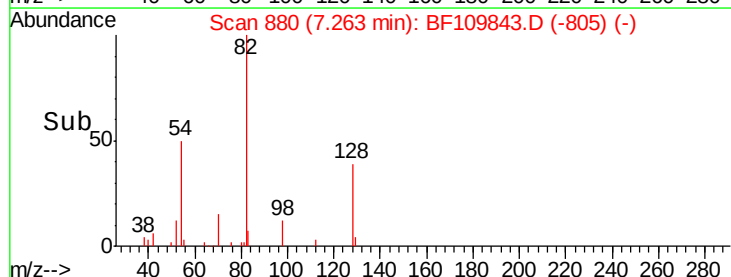
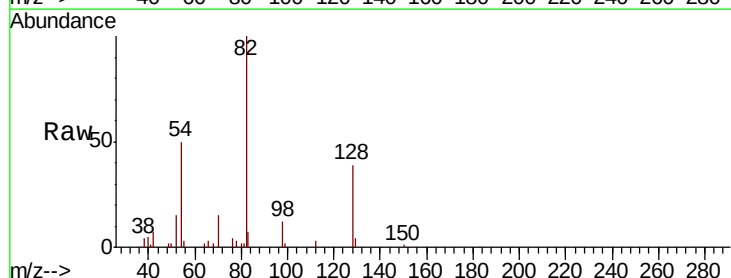
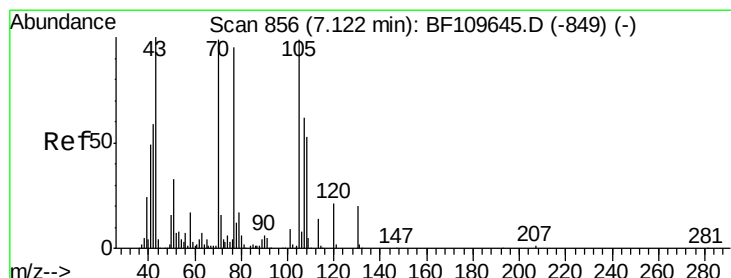
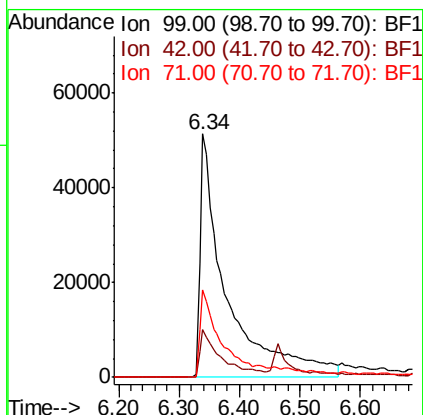
Lab File: BF109843.D

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Instrument :
BNA_F
ClientSampleId :
OK-02-101118

Tgt Ion: 99 Resp: 158079

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.8	23.6
71	35.9	28.0	42.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.356 ng

RT: 7.26 min Scan# 880

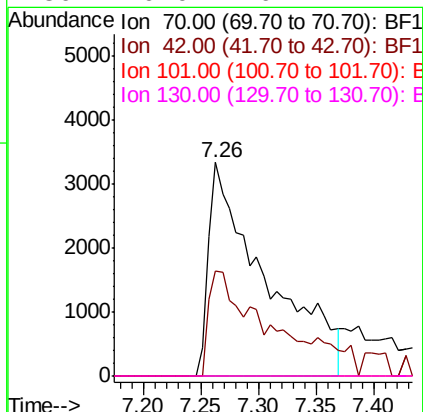
Delta R.T. 0.14 min

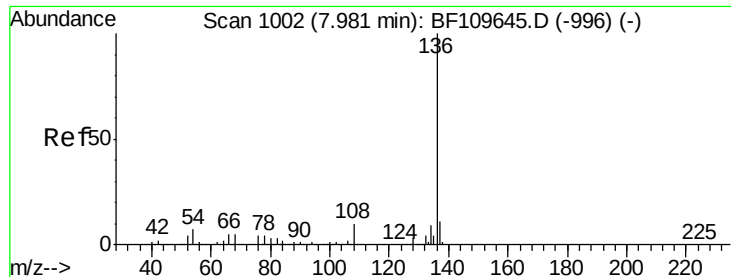
Lab File: BF109843.D

Acq: 12 Oct 2018 19:34

Tgt Ion: 70 Resp: 11490

Ion	Ratio	Lower	Upper
70	100		
42	49.3	47.4	71.2
101	0.0	7.3	10.9#
130	0.0	16.2	24.2#

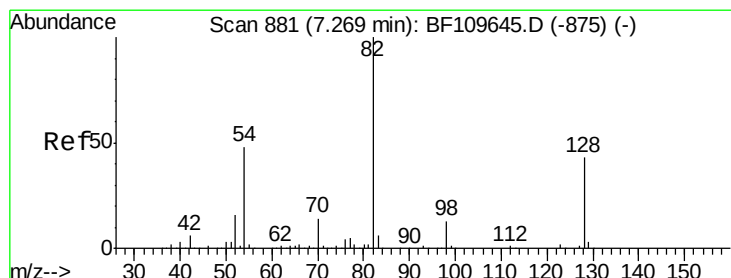
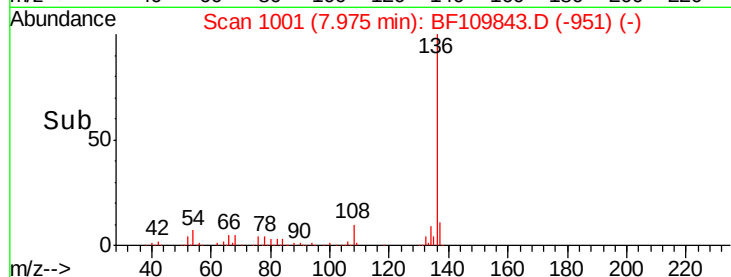
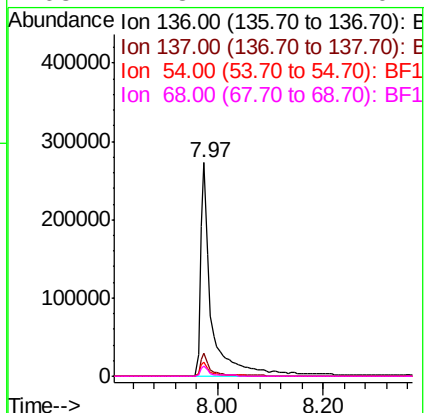
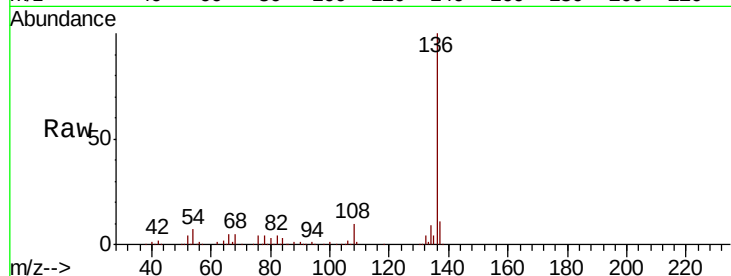




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

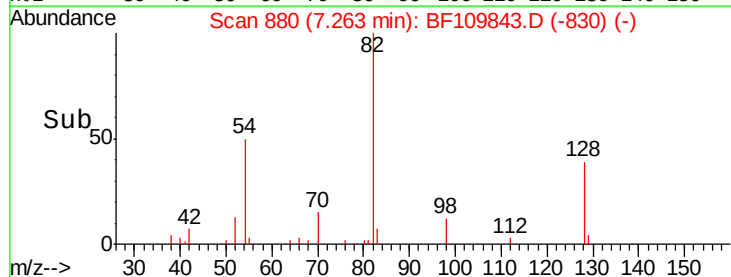
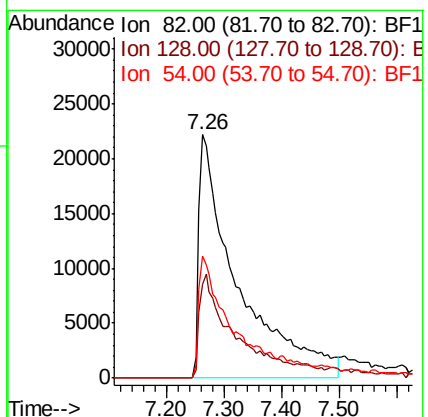
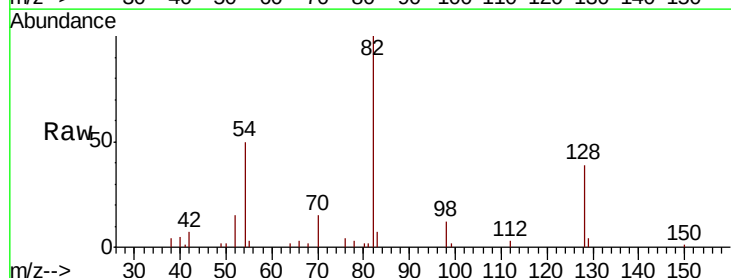
Instrument :
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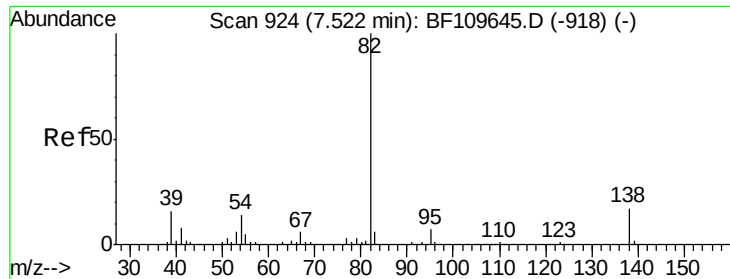
Tgt Ion:	136	Resp:	402177
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.7	5.4	8.2
68	4.8	4.2	6.2



#23
Nitrobenzene-d5
Concen: 14.175 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Tgt Ion:	82	Resp:	103420
Ion	Ratio	Lower	Upper
82	100		
128	38.8	34.2	51.2
54	50.3	38.6	58.0

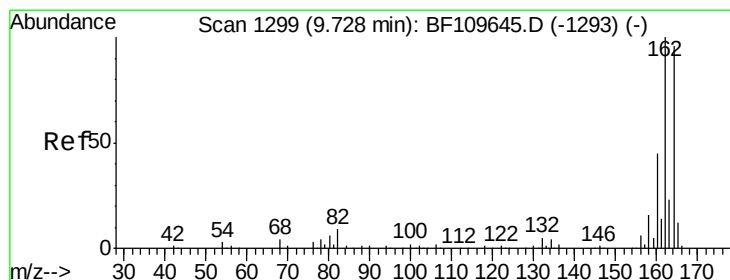
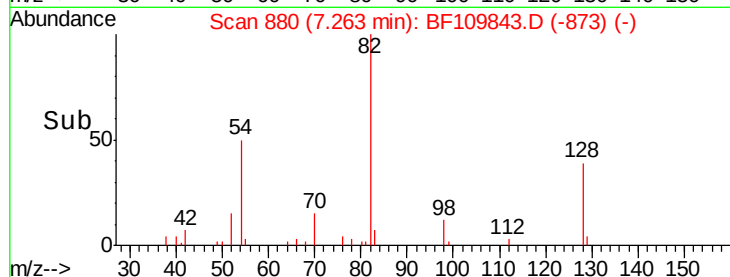
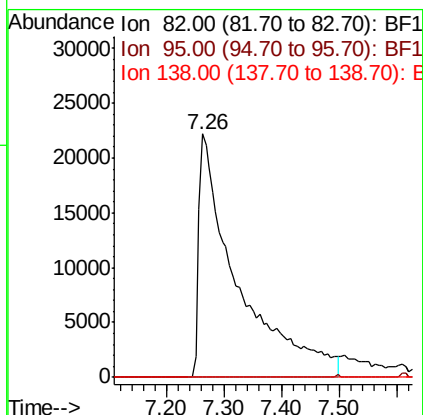
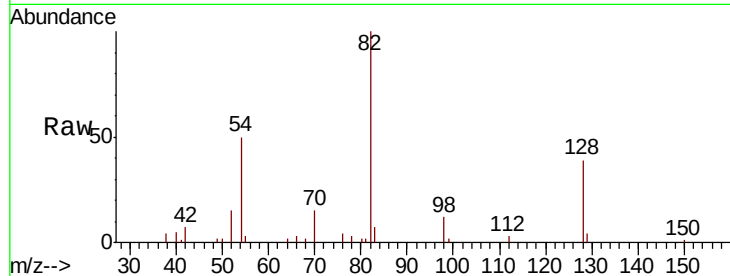




#25
Isophorone
Concen: 8.536 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.26 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

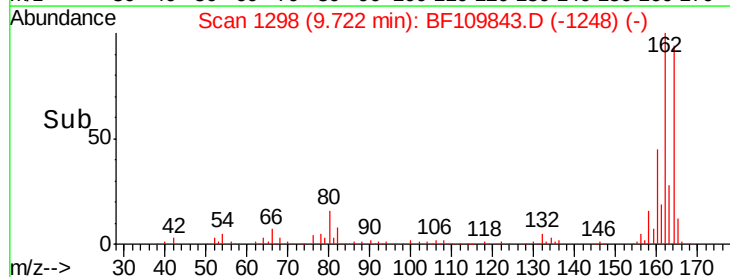
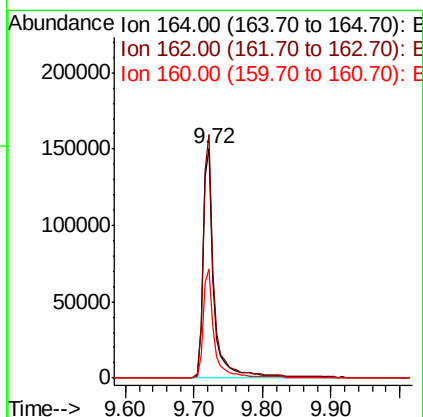
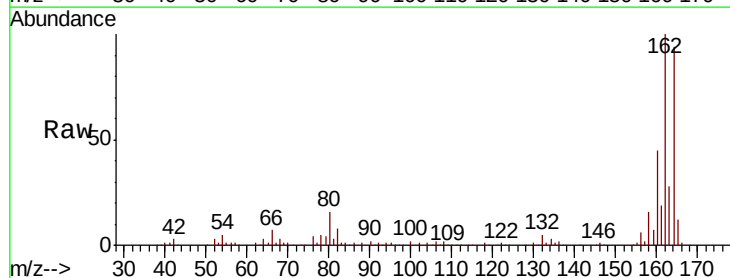
Instrument :
BNA_F
ClientSampleId :
OK-02-101118

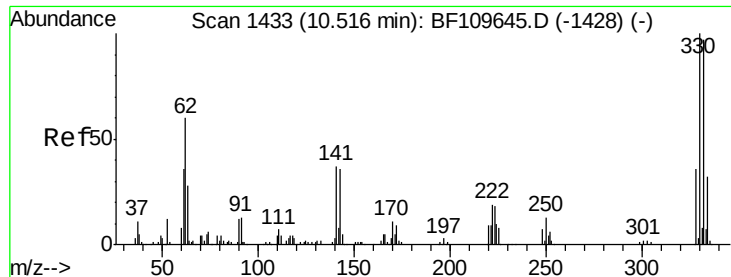
Tgt Ion: 82 Resp: 103420
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Tgt Ion: 164 Resp: 172522
Ion Ratio Lower Upper
164 100
162 106.1 83.0 124.6
160 47.7 37.0 55.6

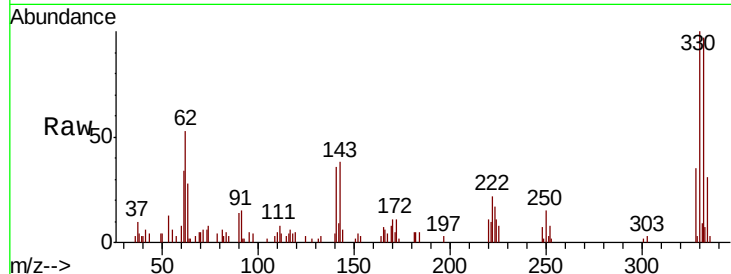




#41
 2,4,6-Tribromophenol
 Concen: 16.473 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109843.D
 Acq: 12 Oct 2018 19:34

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-101118

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	37.7	27.0	40.4

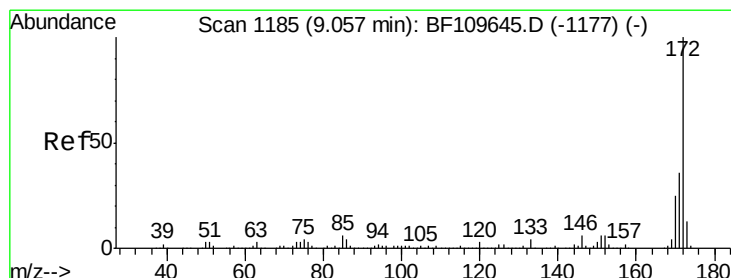
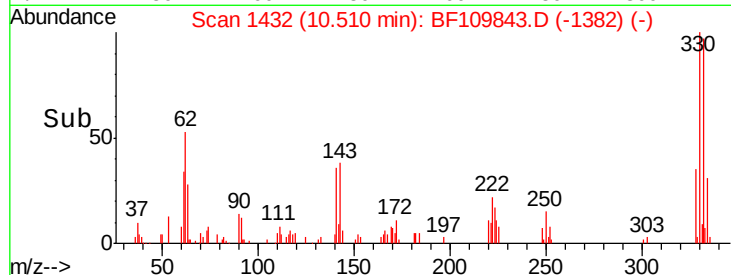
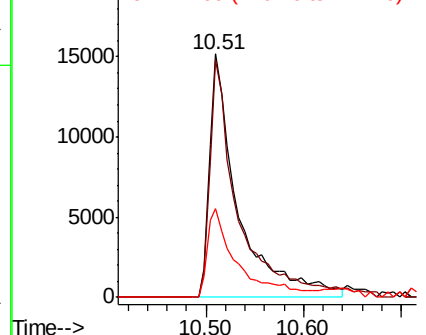


Abundance

Ion 329.80 (329.50 to 330.50): E

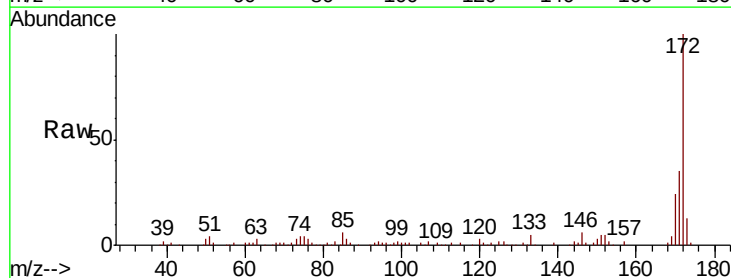
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 17.030 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF109843.D
 Acq: 12 Oct 2018 19:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.6	19.7	29.5

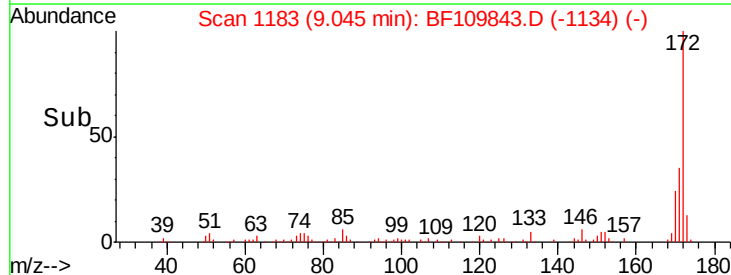
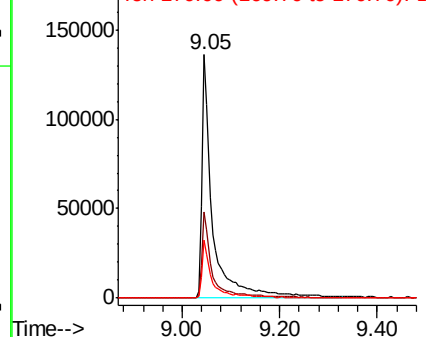


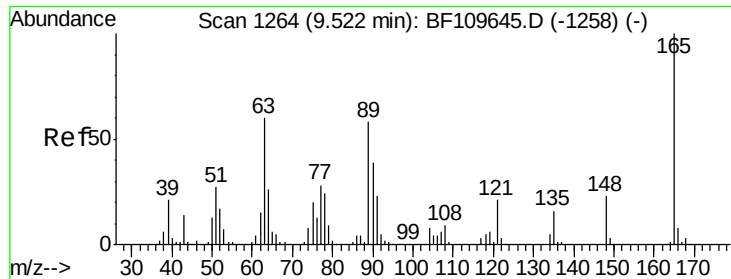
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

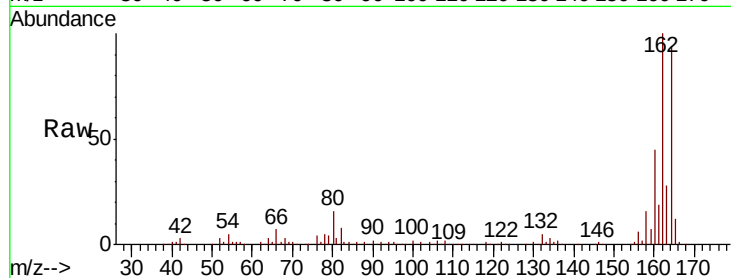




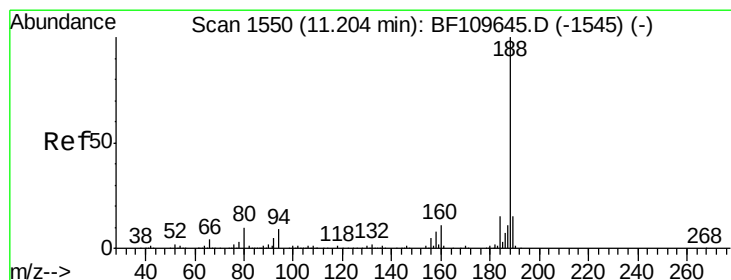
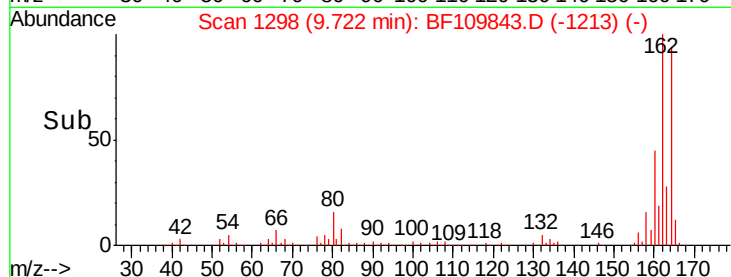
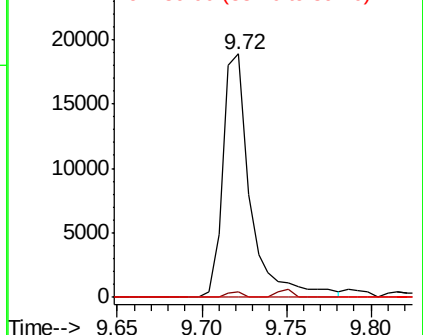
#50
 2,6-Dinitrotoluene
 Concen: 7.832 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. 0.20 min
 Lab File: BF109843.D
 Acq: 12 Oct 2018 19:34

Instrument :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	48.9	73.3#
89	0.0	46.6	69.8#

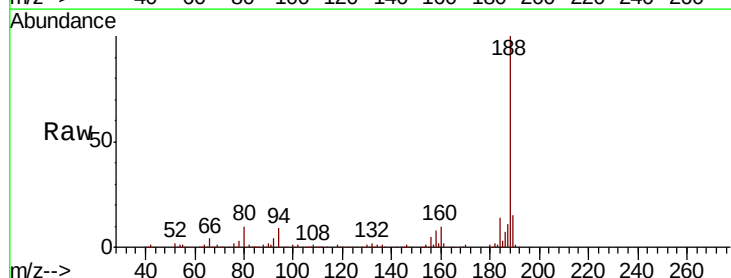


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

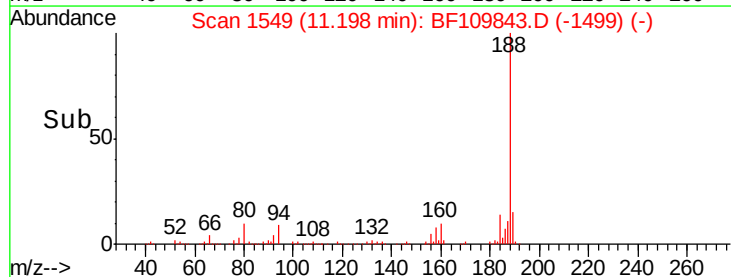
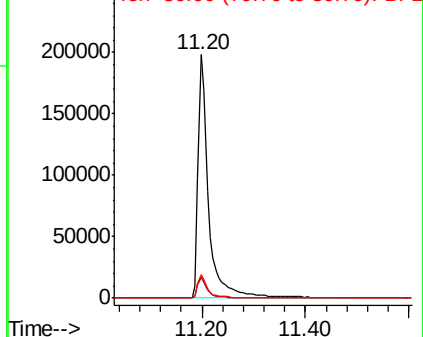


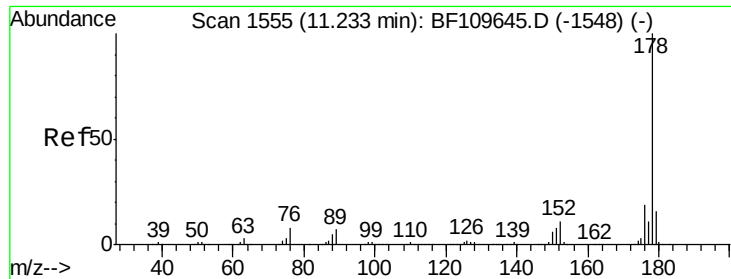
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF109843.D
 Acq: 12 Oct 2018 19:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.2	10.8
80	9.5	7.9	11.9



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

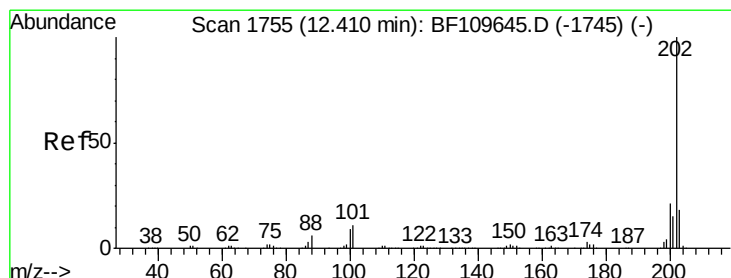
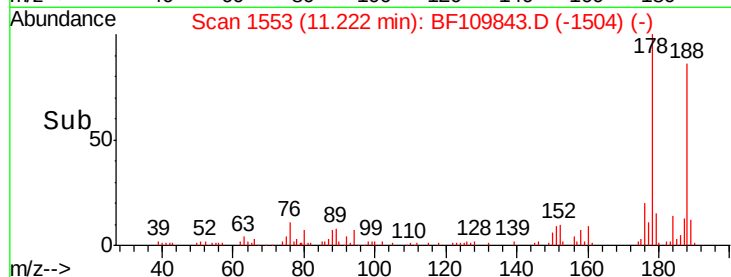
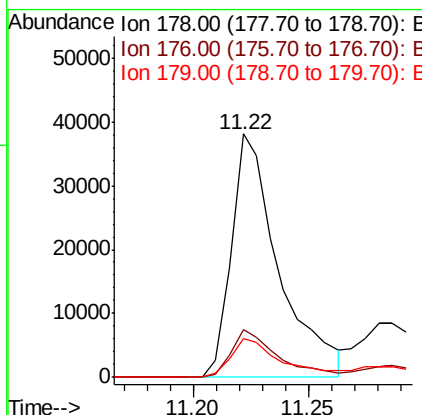
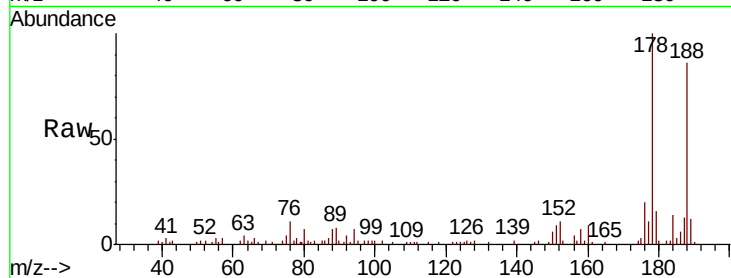




#70
Phenanthrene
Concen: 3.927 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

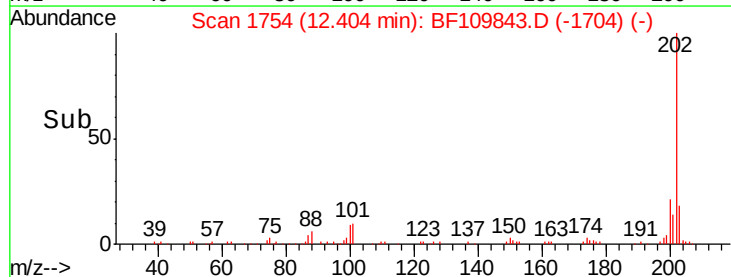
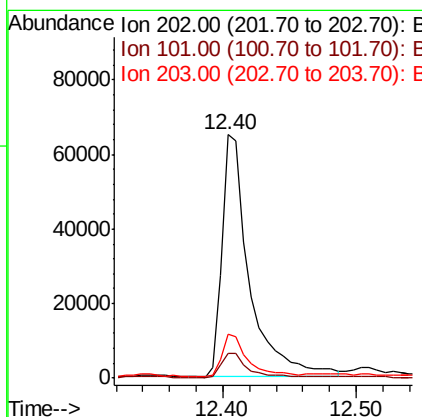
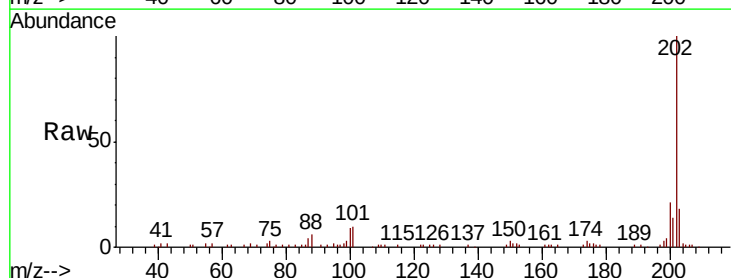
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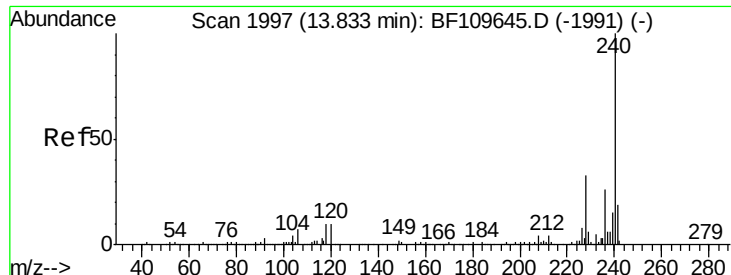
Tgt Ion:178 Resp: 54440
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 15.7 12.5 18.7



#74
Fluoranthene
Concen: 6.523 ng
RT: 12.40 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Tgt Ion:202 Resp: 94471
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.4
203 18.3 0.0 37.7





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109843.D

Acq: 12 Oct 2018 19:34

Instrument :

BNA_F

ClientSampleId :

OK-02-101118

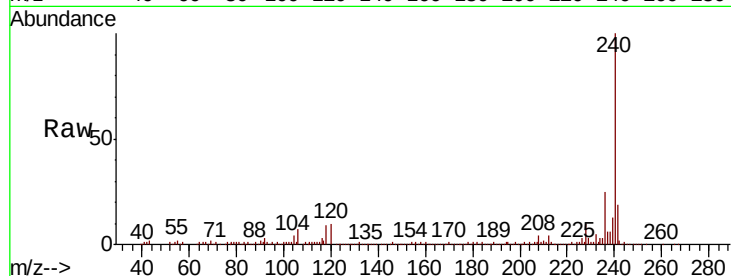
Tgt Ion:240 Resp: 209890

Ion Ratio Lower Upper

240 100

120 10.0 8.3 12.5

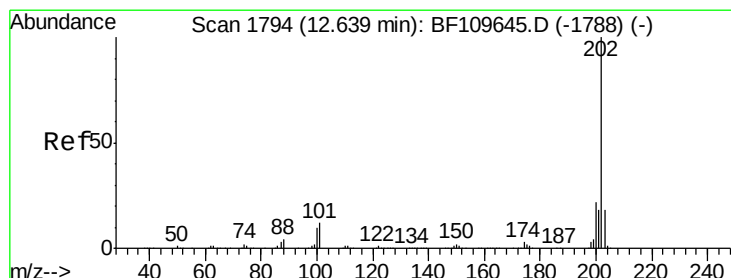
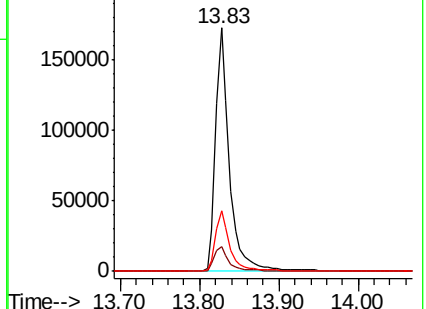
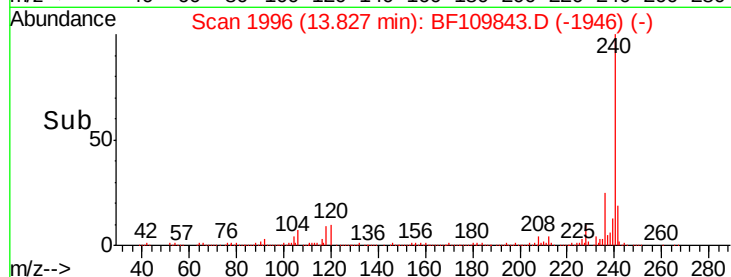
236 25.1 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.196 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF109843.D

Acq: 12 Oct 2018 19:34

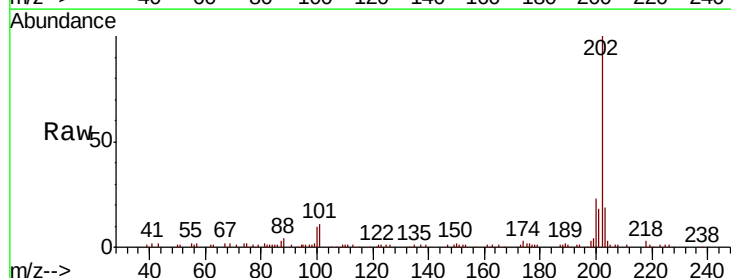
Tgt Ion:202 Resp: 95278

Ion Ratio Lower Upper

202 100

200 22.6 17.8 26.6

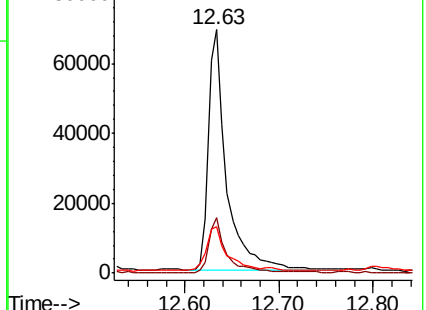
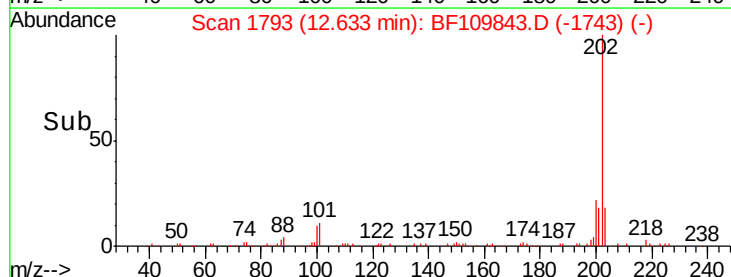
203 19.0 14.2 21.4

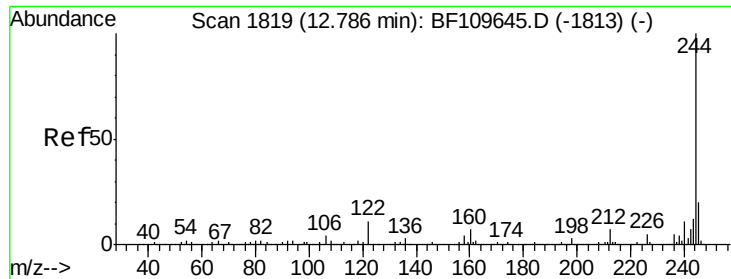


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.298 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF109843.D

Acq: 12 Oct 2018 19:34

Instrument :

BNA_F

ClientSampleId :

OK-02-101118

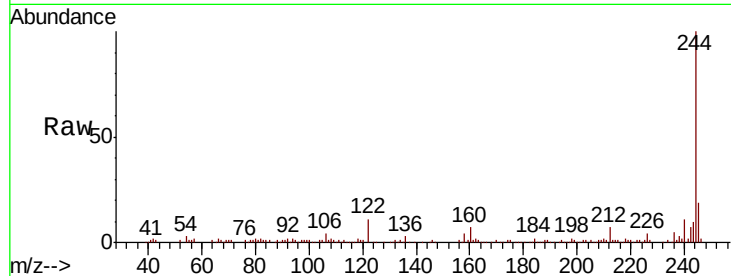
Tgt Ion:244 Resp: 144181

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

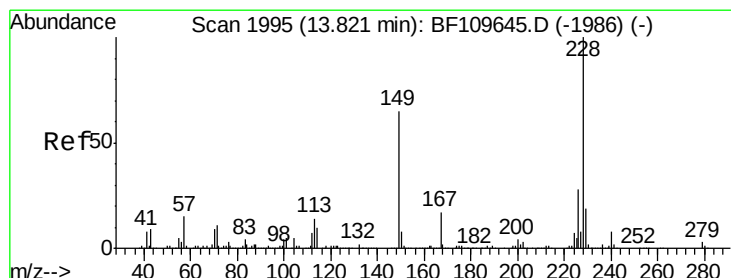
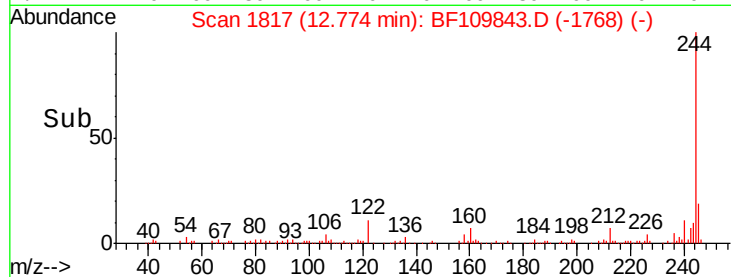
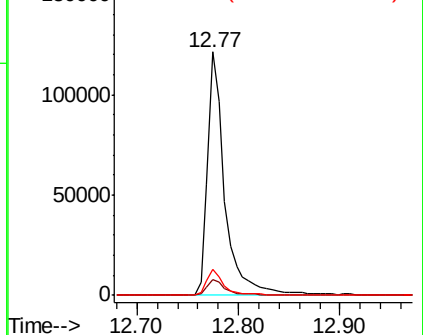
122 10.7 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.866 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF109843.D

Acq: 12 Oct 2018 19:34

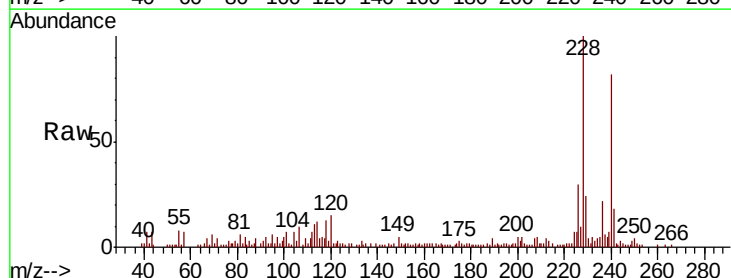
Tgt Ion:228 Resp: 44773

Ion Ratio Lower Upper

228 100

226 30.4 22.1 33.1

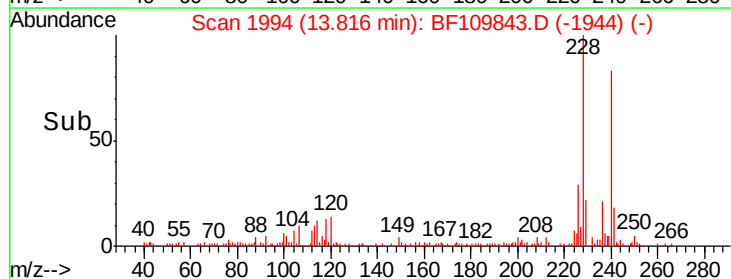
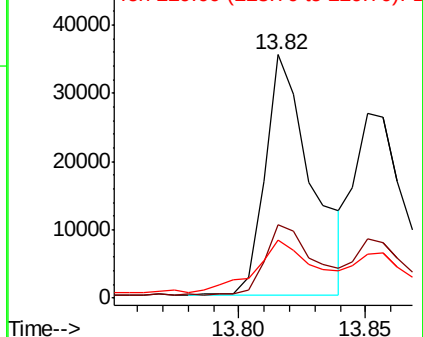
229 23.9 15.6 23.4#

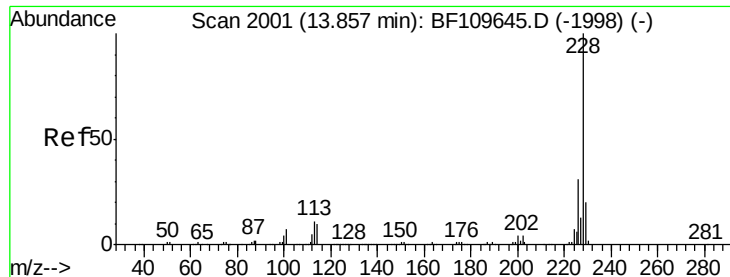


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.253 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF109843.D

Acq: 12 Oct 2018 19:34

Instrument :

BNA_F

ClientSampleId :

OK-02-101118

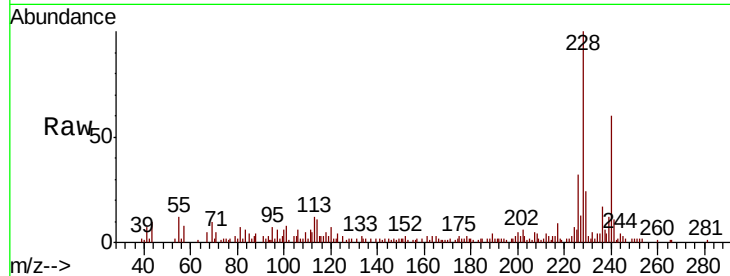
Tgt Ion:228 Resp: 39580

Ion Ratio Lower Upper

228 100

226 32.1 24.7 37.1

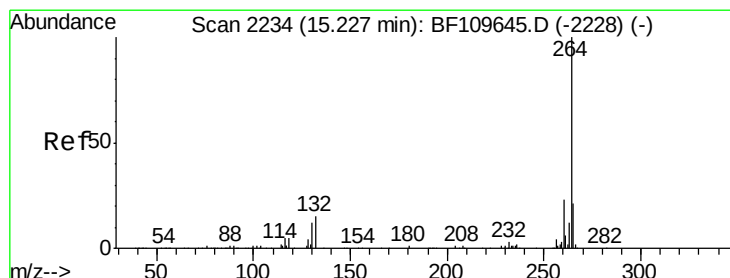
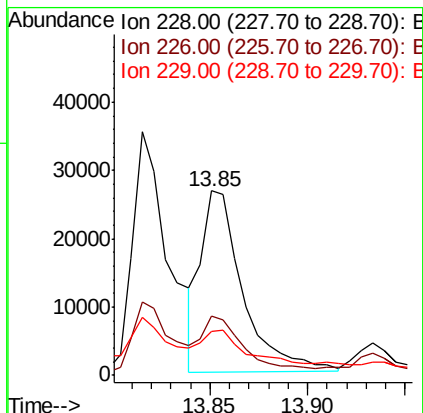
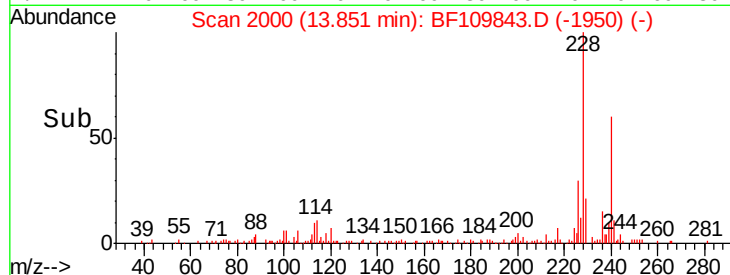
229 23.5 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. 0.00 min

Lab File: BF109843.D

Acq: 12 Oct 2018 19:34

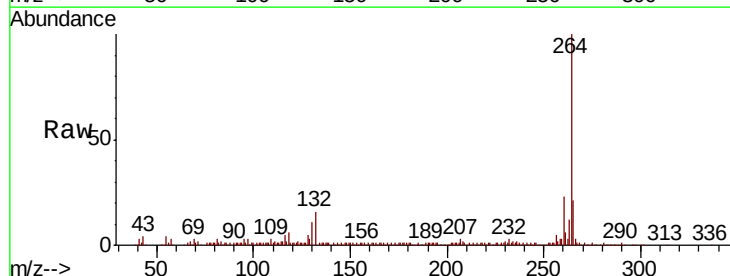
Tgt Ion:264 Resp: 183198

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

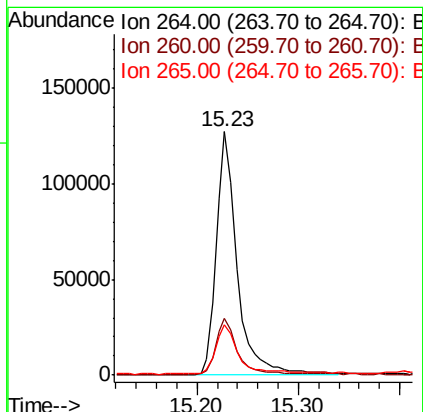
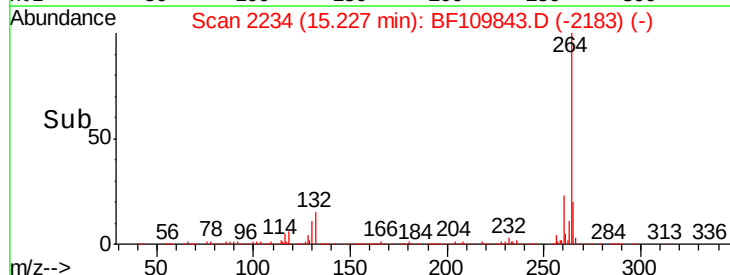
265 20.7 16.7 25.1

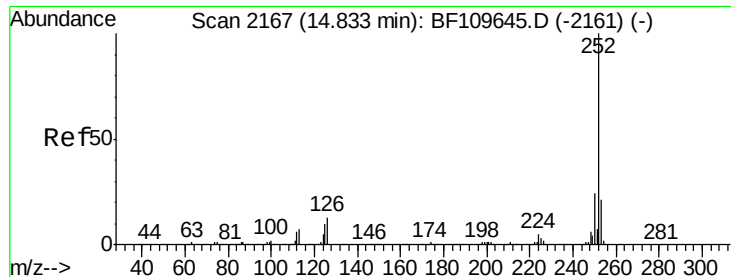


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

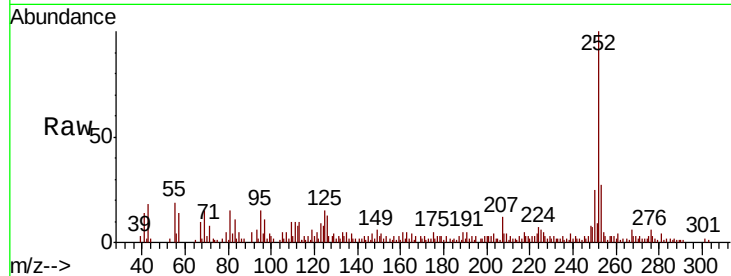




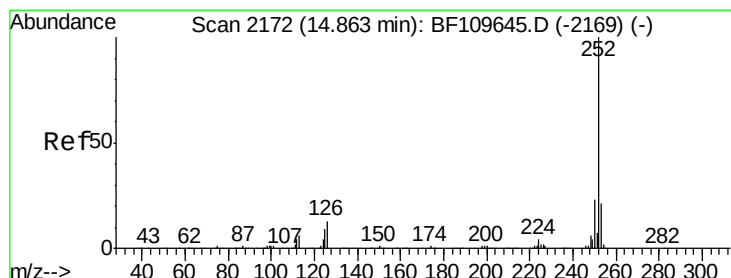
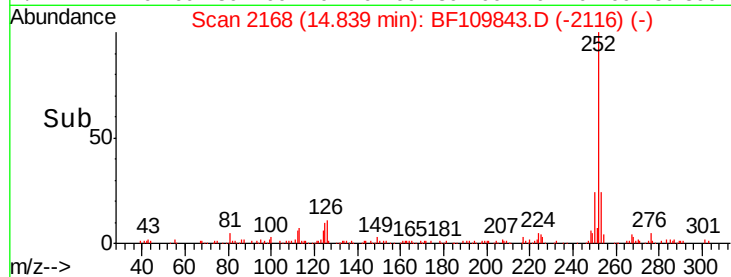
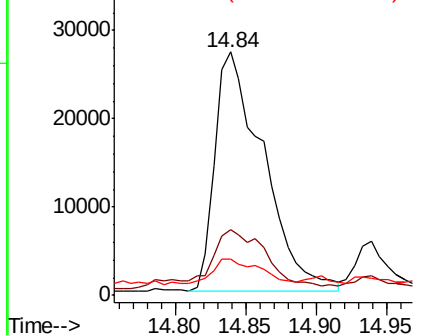
#87
Benzo(b)fluoranthene
Concen: 6.415 ng
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Instrument :
BNA_F
ClientSampleId :
OK-02-101118

Tgt Ion:252 Resp: 64946
Ion Ratio Lower Upper
252 100
253 26.8 17.2 25.8#
125 15.1 8.2 12.4#

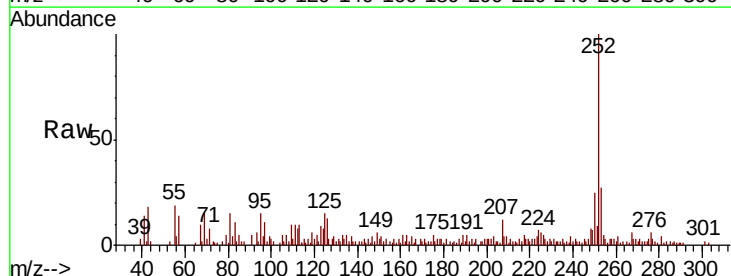


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

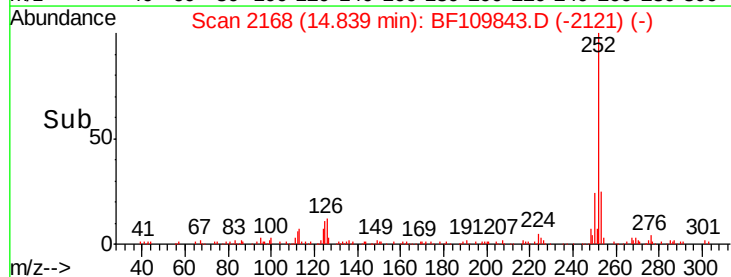
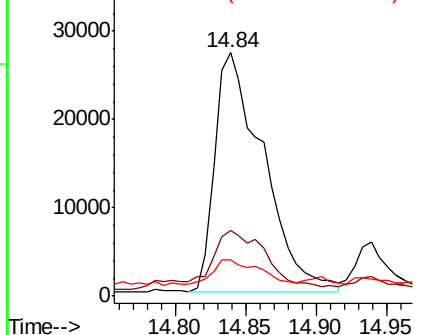


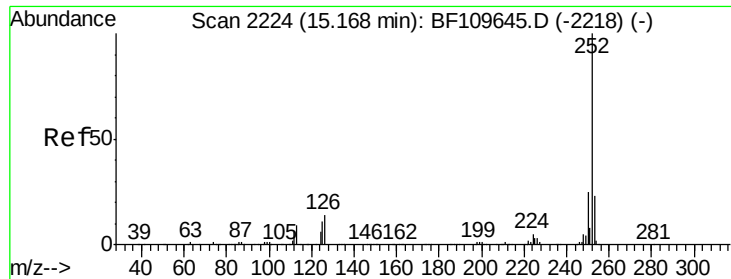
#88
Benzo(k)fluoranthene
Concen: 6.385 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Tgt Ion:252 Resp: 64946
Ion Ratio Lower Upper
252 100
253 26.8 17.2 25.8#
125 15.1 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

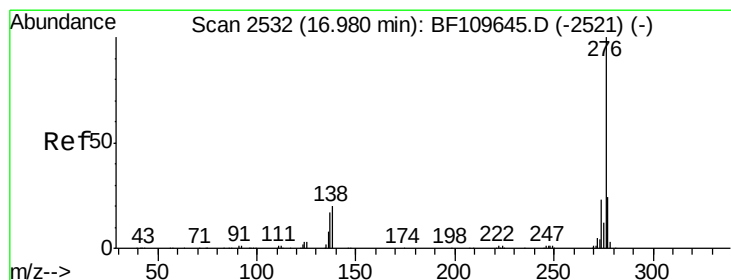
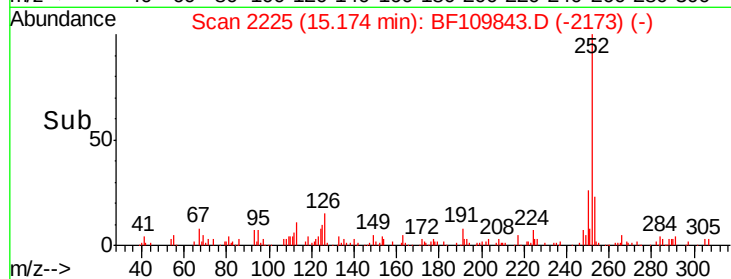
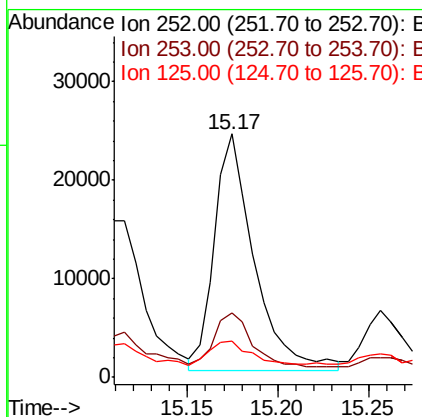
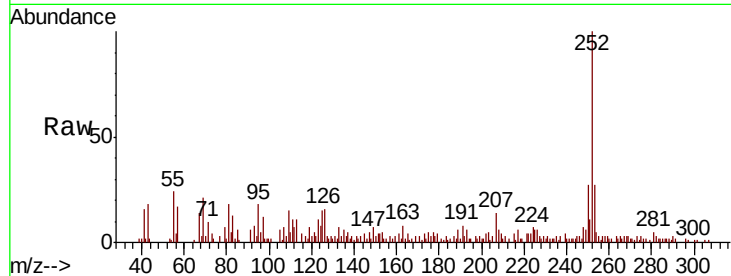




#89
 Benzo(a)pyrene
 Concen: 3.991 ng
 RT: 15.17 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: BF109843.D
 Acq: 12 Oct 2018 19:34

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-101118

Tgt Ion:	252	Resp:	36668
Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.2	27.4
125	14.9	9.0	13.6#



#91
 Benzo(g,h,i)perylene
 Concen: 2.656 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. 0.01 min
 Lab File: BF109843.D
 Acq: 12 Oct 2018 19:34

Tgt Ion:	276	Resp:	20010
Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.8	28.2
138	23.1	16.0	24.0

